



A.D. 1873, 37th August. N^o 2825.

SPECIFICATION

OF

JOHN DURANT.

ADMINISTERING MEDICINE TO HORSES,
DOGS, &c.

LONDON:

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1874.



A.D. 1873, 27th AUGUST. N^o 2825.

Administering Medicine to Horses, Dogs, &c.

LETTERS PATENT to John Durant, of the City and County of Bristol, Dealer in Druggist Sundries, for the Invention of "IMPROVED MEANS OF ADMINISTERING MEDICINES TO HORSES, DOGS, AND OTHER ANIMALS."

Sealed the 20th January 1874, and dated the 27th August 1873.

PROVISIONAL SPECIFICATION left by the said John Durant at the Office of the Commissioners of Patents, with his Petition, on the 27th August 1873.

I, JOHN DURANT, of the City and County of Bristol, Dealer in Druggist Sundries, do hereby declare the nature of the said Invention for "IMPROVED MEANS OF ADMINISTERING MEDICINES TO HORSES, DOGS, AND OTHER ANIMALS," to be as follows:—

My Invention relates to an improved means of administering specific medicines to horses, dogs, and other animals, and consists in a gelatinous or membraneous capsule or envelope in which such medicine is enclosed

Durant's Improved Means of Administering Medicine to Horses, &c.

This capsule or envelope, when filled with the said specific is sealed hermetically, and thus serves also as a means of preserving the full strength and virture of the medicine for any length of time, an object not attained by the present method of making medicinal balls.

The gelatinous capsule may be made wholly of gelatine or of a com- 5
bination of gelatine with another substance or substances, such as glycerine for instance, in order to give flexibility to the envelope if desired.

The gelatinous envelope is made by dipping a metallic mould into the liquid gelatine or gelatinous composition and afterwards filling the 10
envelope so formed with the solid or liquid medicines, and hermetically sealing the envelope.

SPECIFICATION in pursuance of the conditions of the Letters Patent filed by the said John Durant in the Great Seal Patent Office on the 27th February 1874. 15

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, JOHN DURANT, of the City and County of Bristol, Dealer in Druggist Sundries, send greeting.

WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the Twenty-seventh day of August, in the year 20
of our Lord One thousand eight hundred and seventy-three, in the thirty-seventh year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said John Durant, Her special licence that I, the said John Durant, my executors, administrators, and assigns, or such others as I, the said John Durant, my executors, admini- 25
strators, and assigns, should at any time agree with, and no others, from time to time and at all times thereafter during the term therein expressed, should and lawfully might make, use, exercise, and vend, within the United Kingdom of Great Britain and Ireland, the Channel Islands, and Isle of Man, an Invention for "**IMPROVED MEANS OF ADMINISTERING 30
MEDICINES TO HORSES, DOGS, AND OTHER ANIMALS,**" upon the condition (amongst others) that I, the said John Durant, my executors or admini-
strators, by an instrument in writing under my, or their, or one of their

Durant's Improved Means of Administering Medicine to Horses, &c.

hands and seals should particularly describe and ascertain the nature of the said Invention, and in what manner the same was to be performed, and cause the same to be filed in the Great Seal Patent Office within six calendar months next and immediately after the date of the
5 said Letters Patent.

NOW KNOW YE, that I, the said John Durant, do hereby declare the nature of my said Invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement (that is to say) :—

10 My Invention relates to an improved means of administering specific medicines to horses, dogs, and other animals, and consists in a gelatinous or membranous capsule or envelope in which such medicine is enclosed. This capsule or envelope, when filled with the said specific, is sealed hermetically, and thus serves also as a means of preserving the full
15 strength and virtue of the medicine for any length of time, an object not obtained by the present method of making medicinal balls. The medicine may either be a liquid or in a state of powder.

The gelatinous capsule may be made wholly of gelatine or of a combination of gelatine with another substance or substances, such as
20 glycerine, for instance, in order to give flexibility to the envelope if desired.

I find $\frac{1}{2}$ oz. of glycerine added to every 1 lb. of gelatine in a warm state to answer well. The proportion of glycerine may, however, be varied according to the degree of flexibility required.

25 The gelatinous envelope is made by dipping an oiled metallic mould into the liquid gelatine or gelatinous composition, the envelope so formed after hardening being filled with the dry or liquid medicines. The envelope is then hermetically sealed by dropping some melted gelatine into the orifice and so capping the same.

30 When using a membranous envelope, gut skin after being prepared by cleansing and acids is stretched in a moistened condition on an oiled bulb of glass or metal to form an envelope, which is then filled with the medicine and tied in the ordinary way.

Having described the nature of the Invention, and the manner of
35 performing the same, I declare that what I claim as the Invention to be

Durant's Improved Means of Administering Medicine to Horses, &c.

protected by the herein-before in part recited Letters Patent is, the use of a gelatinous or membraneous capsule or envelope for enclosing and administering specific medicines in a liquid or powdered state to horses, dogs, and other animals, substantially as herein described.

In witness whereof, I, the said John Durant, have hereunto set 5
my hand and seal, this Twenty-third day of February, in the
year of our Lord One thousand eight hundred and seventy-
four.

JOHN DURANT. (L.S.)

LONDON:

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Printers to the Queen's most Excellent Majesty. 1874.